

**Maryland Historical Trust**

**Maryland Inventory of Historic Properties Number:** F-6-117

Name: Business USK over 7th term

**The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridged received the following determination of eligibly.**

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**MARYLAND HISTORICAL TRUST**

Eligibility Recommended   X  

Eligibility Not Recommended \_\_\_\_\_

Criteria:   A     B     C     D   Considerations:   A     B     C     D     E     F     G   None

**Comments:**

Reviewer, OPS: Anne E. Bruder

Date: 3 April 2001

Reviewer, NR Program: Peter E. Kurtze

Date: 3 April 2001

Maryland Inventory of Historic Properties  
Historic Bridge Inventory  
Maryland State Highway Administration  
Maryland Historical Trust

MHT Number F-6-117

**SHA Bridge No.** 10001 **Name:** Business US Route 15 over Flat Run

**Location:**

**Street/Road Name and Number:** Business US Route 15 (Catoclin Mountain Highway)

**City/Town:** Emmitsburg **Vicinity** X

**County:** Frederick

**Ownership:** X State    County    Municipal    Other

**This bridge projects over:**    Road    Railway X Water    Land

**Is the bridge located within a designated district:**    yes X no

   NR listed district    NR determined eligible district

   locally designated    other

Name of District

**Bridge Type:**

   Timber Bridge

   Beam Bridge    Truss-Covered    Trestle

   Timber-and-Concrete

   Stone Arch

   Metal Truss

   Movable Bridge

   Swing    Bascule Single Leaf    Bascule Multiple Leaf

   Vertical Lift    Retractable    Pontoon

   Metal Girder

   Rolled Girder    Rolled Girder Concrete Encased

   Plate Girder    Plate Girder Concrete Encased

   Metal Suspension

   Metal Arch

   Metal Cantilever

X Concrete

X Concrete Arch    Concrete Slab    Concrete Beam    Rigid Frame

   Other Type Name

**Describe Setting:**

Bridge 10001 carries Business US Route 15 over Flat Run in Frederick County. Business US Route 15 runs north-south over the southern flowing Flat Run. The area immediately adjacent to the bridge has light residential development. The bridge leads into Emmitsburg. The surrounding area has light to moderate housing and limited commercial development.

**Describe Superstructure and Substructure:**

Bridge 10001 is a single-span filled concrete arch. The length of the bridge is 52 feet and it has a clear span of 50 feet. The spandrel wall has a 2-inch cove molding around the arch. The spandrel walls are approximately 9 feet high and 15 feet wide at their widest point. The abutments are approximately 24 feet wide and 8 feet high. There is a clear roadway width of 24 feet, with an overall width of 27 feet 4 inches. According to a 1997 inspection report, the bridge is in fair condition with a sufficiency rating of 69.7.

The parapets are original. The builders used a closed parapet design. This reinforced concrete railing consists of vertical posts securely fastened by dowels to the structure, horizontal rails, and solid panels that fill the space between the posts and railings. The posts and rails were built in place. Expansion joints separate the panels. The parapets are 52 feet long and three feet high with a 6-inch cap across both the eastern and western sides of the bridge. At the end of each parapet is an 8-foot section with incised panels 1-inch thick. The parapets have light scaling over the entire parapet length. Several sections have small and medium areas of spalling with exposed and rusting reinforcement bars. There is a slight misalignment of the parapet cap. A few fine vertical cracks have light efflorescence.

**Discuss Major Alterations:**

There have been no major alterations to this structure. A large portion of the bridge surface has been patched.

**When Built?** 1927

**Why Built?** Widening of US Route 15

**Who Built?** State Roads Commission

**Who Designed?** State Roads Commission

**Why Altered?** Safety concerns.

**Was this bridge built as part of an organized bridge building campaign?** No, this bridge was not built as part of an organized bridge building campaign.

**Surveyor Analysis:**

**This bridge may have NR significance for association with:**

☒ **A Events**      ☐ **B Person**

☒ **C Engineering/Architectural**

This bridge was determined eligible by the Interagency Review Committee in February 1996.

**Was this bridge constructed in response to significant events in Maryland or local history?**

Yes, this bridge was built in 1927 following the completion of the widening of the route between Frederick and Emmitsburg. US Route 15 was part of a statewide road-widening project. The State Roads Commission used new technologies, such as concrete shoulders on macadam roads, to make it easier to bank and widen roads to eliminate curves and bring the older roads into alignment with the requirements of the time.

**Is the bridge located in an area that may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?**

No this bridge is not located in an area of which is eligible for historic designation.

**Is the bridge a significant example of its type?**

Yes, Bridge 10001 is a significant example of the State Roads Commission's efforts from 1910 to 1945 to eliminate dangerous geometric alignments. The development of standardized plans helped to facilitate this process.

**Does the bridge retain integrity of the important elements described in the Context Addendum?**

Yes, this bridge retains integrity of its character defining elements. Although some repairs were made to the wingwalls, the barrel, the spandrel walls, the parapets, and the abutments, all are original and have only moderate deterioration.

**Should this bridge be given further study before significance analysis is made and why?**

No this bridge should not be given further study.

**Bibliography:**

County inspection/bridge files \_\_\_\_\_ SHA inspection/bridge files   X    
Other (list):

**Surveyor:**

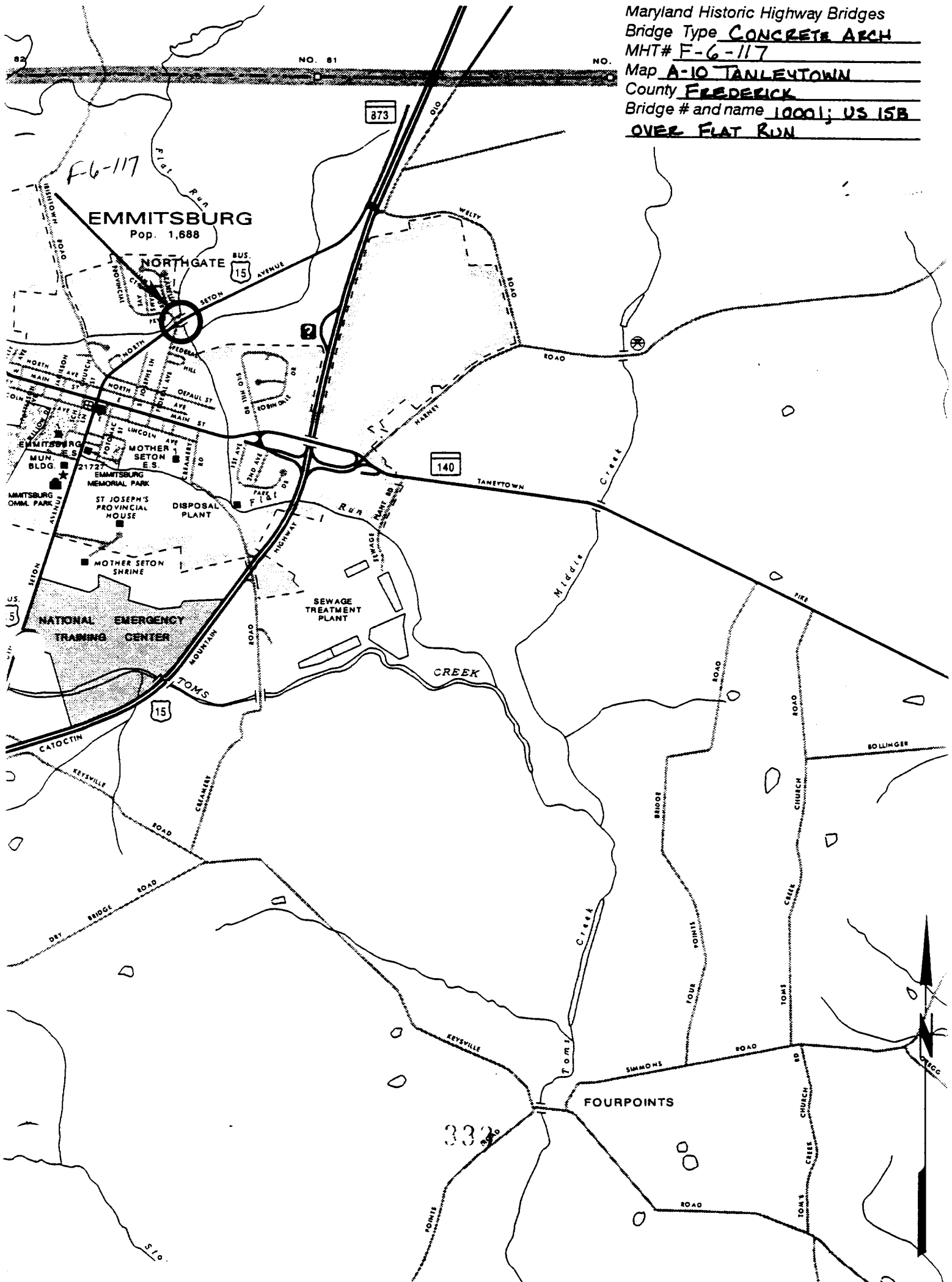
**Name:** Stacie Y. Webb **Date:** September 1995

**Organization:** State Highway Admin. **Telephone:** (410) 545-8559

**Address:** 707 N. Calvert Street, Baltimore, Maryland

Edited by P.A.C. Spero & Company, December 1997

Maryland Historic Highway Bridges  
Bridge Type CONCRETE ARCH  
MHT# F-6-117  
Map A-10 TANLETTOWN  
County FREDERICK  
Bridge # and name 10001; US 15B  
OVER FLAT RUN





Inventory # F-6-117

Name 10001 - US 53 OVER FLAT RUN

County/State FREDERICK COUNTY/MO

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH NORTH

Number <sup>1</sup>33 of <sup>4</sup>36





Inventory # F-6-117

Name 10001 - US 153 OVER FLAT RUN

County/State FREDERICK COUNTY/MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH SOUTH

Number 2 of 4



Inventory # F-6-117

Name 10001-US ISB OVER FLAT RUIN

County/State FREDERICK COUNTY/MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION LOOKING EAST

Number <sup>3</sup>35 of <sup>4</sup>36



Inventory # F-6-117

Name 10001-US 15B OVER FLAT RUN

County/State FREDERICK COUNTY/MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION LOOKING WEST

<sup>4</sup>  
Number 36 of 36 <sup>4</sup>